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PATENT Attorney Docket No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Andrzei Z. Sledziewski et al..

Application No.: 08/980,400

Filed: November 26, 1997

For: BIOLOGICALLY ACTIVE

DIMERIZED AND MULTIMERIZED POLYPEPTIDE FUSIONS (As Amended)

Assistant Commissioner for Patents Washington, D.C. 20231

C. Kaufman Examiner:

1646 Art Unit:

FORMAL DRAWINGS TRANSMITTAL



Dear Sir:

Pursuant to the Notice of Allowability dated June 24, 1999, Applicants submit 21 sheets of formal drawings to be made of record in the above-identified case.

Respectfully submitted,

Reg. No. 38,515

TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, CA 94111 (206) 467-9600

SE 5001074 v1

828 158	00 TATTCATCTTTCTCACGGAAATAACTGAGATCACCATTCCATGCCGAGTAACAGACCCACAGCTGGTGG	760
759 135	11 AGCGGAAACGGCTCTACATCTTGTGCCAGGATCCCACCGTGGGCTTCCTCCTAATGATGCCGAGGAAC R K R L Y I F V P D P T V G F L P N D A E E L	691
690 112	22 ACCTCACTGGGCTAGACACGGGAGAATACTTTTGCACCCACAATGACTCCGTGGAGACTGGAGACCGATG L T G L D T G E Y F C T H N D S R G L E T D E	622
621 89	3 CCCAGGAGCCCCACAGGAAATGGCCAAGGATGGCACCTTCTCCAGCGTGCTCACACTGACCA Q B G T F S S V L T L T N	553
552 66	14 TCCTCAATGTCTCCAGCACCTTCGTTCTGCTCGGGTTCAGCTCCGGTGGGAATGT L N V S S T F V L T C S G S A P V V W E R M S	484
483	.5 CTCTCCTGTTACTTCTGGAACCACAGATCTCTCAGGGCCTGGTCGTCACACACCCCGGGGCCAGAGCTTG L L L L L E P Q I S Q G L V V T P P G P E L V	415
414	16 GCAAGGACACCATGCGGCTGCGATGCCAGCTCTGGCCCTCAAAGGCGAGCTGCTGTTGCTGT M R L P G A M P A L A L K G E L L L L S	346
345	7) AAGGAGGACTTCCTGGAGGGGGTGACTGTCCAGAGCCTGGAACTGTGCCCACACAGAAGCCATCAGA	277
207	-	139
138	70 GCGGCCCCTCTGGCGGCTCTGCTCCTCCCGAAGGATGCTTGGGGAGTGAGGCGAAGCTGGGCGCTCCTC	7
69	1 GGCCCCTCAGCCCTGCTGCCCAGCACGAGCCTGTGCTCGCCCTGCCCAACGCAGACAGCCAGACCCAGG	

Fig. 1,



U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED ... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 1A, Sheet 1 of 21

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829	TGACACTGCACGAGAAAGGGGACGTTGCACTGTCCCCTATGATCACCAACGTGGCTTTTCTG T L H E K K G D V A L P V P Y D H Q R G F S G	897 181
868	GTATCTTGAGGACAGAAGCTACATCTGCAAAACCACCATTGGGGACAGGGAGGG	966 204
1967	ACTATGTCTACAGACTCTCATCATCAACGTCTCTGTGAACGCAGTGCAGACTGTGGTCGCC 1035 Y V Y R L Q V S S I N V S V N A V Q T V V R Q 227	035 227
036	AGGGTGACAACATCACCTCATGTGATGGGGAATGAGGTGGTCAACTTCGAGTGGACATACC 1104 G E N I T L M C I V I G N E V V N F E W T Y P 250	104
105	CCCGCAAAGAAAGTGGGCGGCTGGAGCGGTGACTTCCTCTTGGATATGCCTTACCACATCC 1173 R K E S G R L V E P V T D F L L D H P Y M I R 273	173 273
174	GCTCCATCCTGCACATCCCCAGGTAGAAGACTCGGGGACCTACACCTGCAATGTGACGGAGA 1242 S I L H I P S A E L E D S G T Y T C N V T E S 296	242 296
243	GTGTGAATGACCATCAGGATGAAAAGGCCATCAACATCACCGTGGTTGAGAGGGGCTACGTGCGGCTCC 1311 V N D S G Y V R L L 319	311
312	TGGGAGAGGTGGGCACACTACAATTTGCTGAGCTGCAGCGGACACTGCAGGTAGTGTTCGAGG 1380 G E V G T L Q F A E L H R S R T L Q V V F E A 342	380
381	CCTACCCACCGCCACTGTGCTTCAAAGACAACGCACCCTGGGCGACTCCAGCGCTGGCGAAA 1449 Y P P P T V L W F K D N R T L G D S S A G E I 365	449 365
450	TCGCCCTGTCCACGCGCAACGTGTCGGAAGCCGGTATGTGTCAGAGGCTGACACTGGTTGGCGTGAAGG 1518 A L S T R N V S E T R Y V S E L T L V R V K V 388	518 388



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2209	CGGCTCATGCCCTGAGCCATTCTCAGGCCACGATGAGAGAGGCTGAAGATGCTTAAATCCACAGCCC 2277
2278	GCAGCAGTGAGAAGCAAGCTTATGTCGAAGATCATGAGTCACCTTGGGCCCCACCTGAACG 2346 S S E K Q A L M S E L K I M S H L G P H L N V 664
2347	TGGTCAACCTGTTGGGGGCCTGCACCAAAGGAGGACCCATCTATATCATCATCACTGGGTACTGCGCTACG 2415 V N L L G A C T K G G P I Y I I T E Y C R Y G 687
2416	GAGACCTGGTGGACTACCTGCACGACCACTCCTGCAGCACCACTCCGACAAGGGCCGCC 2484 D L V D Y L H R N K H T F L Q H H S D K R R P 710
2485	CGCCCAGCGGGAGCTCTACAGCAATGCTCTGCCGTTGGGCTCCCCTGCCCAGCCATGTGTCTTGA 2553
2554	CCGGGGAGAGCGACGTGGCTACATGACAAGGACGAGTCGGTGGACTATGTGCCCATGCTGG 2622 G E S D G G Y M D M S K D E S V D Y V P M L D 756
2623	ACATGAAAGGAGACGTCAAATATGCAGACATCGAGTCCTCCAACTACATGCCCCTTACGATAACTACG 2691 M K G D V K Y A D I E S S N Y M A P Y D N Y V 779
2692	TICCCTCTGCCCCTGAGGACCTGCCGAGCAACTTTGATCAACGAGTCTCCAGTGCTAAGCTACATGG 2760 PSAPERICRA TIINESPVLSYMD 802
2761	ACCTCGTGGGCTTCAGCTACCAGGCCAATGGCATGGAGTTTCTGGCCTCCAAGAACTGCGTCCACA 2829 L V G F S Y Q V A N G M E F L A S K N C V H R 825
2830	GAGACCTGGCGGCTAGGAACGTGCTGTGAAGGCAGCTGGTGAAGATCTGTGACTTTGGCCTGG 2898



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1519	TGGCAGAGGCTGGCCACTACCATGCGGCTTCCATGAGGATGCTGAGGTCCAGCTCTCCAGC 1587 A E A G H Y T M R A F H E D A E V Q L S F Q L 411
1588	TACAGATCAATGTCCCTGTCCGAGTGGAGCTAAGTGAGGCACCTCGACAGTGGGGAACAGACAG
1657	TCCGCTGTCGTGGCCGGGCATGCCCGAACATCATCTGGTCTGCCTGC
1726	GTCCACGTGAGCTGCCGCCCACGCTGGGGAACAGTTCCGAAGAGGAGAGCCAGCTGGAGACTAACG 1794 P R E L P P T L L G N S S E E E S Q L E T N V 480
1795	TGACGTACTGGGAGGAGGAGGAGTTTGAGGTGGTGGACCTGCGTCTGCAGCACGTGGATCGGC 1863
1864	CACTGTCGGTGCGCTGCGCAACGCTGTGGCCAGGACACGCAGGAGGTCATCGTGGTGCTGCAC 1932 L S V R C T L R N A V G Q D T Q E V I V V P H 526
1933	ACTCCTTGCCCTTTAAGGTGGTGGTGATCTCAGCCATCCTGGTGGTGGTCACCATCATCTCCC 2001
2002	TTATCATCCTCATCATGCTTTGGCAGAAGCCACGTTACGAGAATCCGATGGAAGGTGATTGAGTCTG 2070 I I L I M L W Q K K P R Y E I R W K V I E S V 572
2071	TGAGCTCTGACGGCCATGAGTACATCTACGTGGACCCCATGCAGCTGCCCTATGACTCCACGTGGGAGC 2139 S S D G H E Y I Y V D P M Q L P Y D S T W E L 595
2140	TGCCGCGGGACCAGCTTGTGCTGGGACCTTTGGGCAGGTGGTGGAGGCCA 2208 PRDQLVLGRTLGSGAFG

2899	CTCGAGACATCATGCGGGACTCGAATTACATCTCCAAAGGCAGCACCTTTTTGCCTTTAAAGTGGATGG 2967 R D I M R D S N Y I S K G S T F L P L K W M A 871	2967 871
2968	CTCCGGAGAGCATCTTCAACACCTCTACACCTGAGCGACGTGTGGTCCTTCGGGATCCTGCTCT 3036	3036 894
3037	GGGAGATCTTCACCTTGGCACCCTTACCCAGAGCTGCCATGAACGAGCAGTTCTACAATGCCA 3105 EIFTLGGTPYPCCAGAGCTGCCCATGAACGAGCAGCAGTTCTACAATGCCA 3105	3105 917
3106	TCAAACGGGGTTACCGCATGGCCCAGCCATGCCTCCGACGAGATCTATGAGATTATGAGAAGT 3174 K R G Y R M A Q P A H A S D E I Y E I H Q K C 940	3174 940
3175	GCTGGGAAGAAGTTTGAGATTCGGCCCCCTTCTCCAGCTGCTTCTCGAGAGACTGTTGG 3243 W E E K F E I R P P F S Q L V L L L E R L L G 963	3243 963
3244	GCGAAGGTTACAAAAAGAAGTACCAGCAGGGGTGGGAGTTTCTGAGGAGTGACCACCCAGCCATCC 3312 E G Y K K Y Q Q V D E E F L R S D H P A I L 986	3312 986
3313	TICGGTCCCAGGCCCGCTTGCCTCCATGCCTCCCATGGACACCAGCTCCGTCTT 3381 R S Q A R L P G F H G L R S P L D T S S V L Y 1009	3381 1009
3382	ATACTGCGGTGCAGCCCAATGAGGGTGACAACGACTATATCATCCCCTGCCTG	3450 1032
3451	TTGCTGACGAGGGCCCACTGGAGGGTTCCCCCAGCTCAGCTCACCTGAATGAA	3519 1055
3520	CCICAACCAICICCIGIGACACCCCIGGAGCCAGACCAGAGCCAGAGCTIGAGC 3588 S I I S C D S P L E P Q D E P E P E P Q L E L 1078	3588 1078



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5572	GTATGCTGTTAAGTTTTTCTATCTGTGTACTTTTTTTAAGGGAAAGATTTT	5521
5520	ATCACCTAGGTTTACAAATATTTTTAGGACTCACGTTAACTCACATTTATACAGCAGAAATGCTATTTT	5452
5451	ACTICCCIGGGAICCCCAGAGIIGGICCAAGGAGGGAGAGIGGGIICTCAAIACGGIACCAAAGAIAIA	5383
5382	GGGTTGGGAAGGGGGTGCAGGAAGCTCAACCCCTCTGGGCACCAACCCTGCATTGCAGGTTGGCACCTT	5314
5313	CCCCAGCCCAGTGGGCATTGGAGGTGCCAGGGAGTCAGGGTTGTAGCCAAGACGCCCCGCACGGGGA	5245
5244	CCCTGAGGCATGCGCTCCATGGGGTATGGTTTTGTCACTGCCCAGACCTAGCAGTGACATCTCATTGT	5176
5175	GGTACCCCAAGAAGGATGTGAGAGGTGGCTGCTTTGGAGTTTGCCCCCTCACCCACC	5107
5106	AGGTCTGCGTCGAAGACAGAATGGACAGTGAGGACAGTTATGTCTTGTAAAAGACAAGAAGCTTCAGAT	5038
5037	CTGGGCAAAAGGGGACAAAGAGGGCAAATGAGATCACCTGCTGCAGCCCACCACTCCAGCACCTGTGCCG	4969
4968	CAGCTGCCCCAGGGACATGGGAAGACCACGGGACCTCTTTCACTACCCACGATGACCTCCGGGGGTATC	4900
4899	CAAGTCTCAAGAACACAGGCTGCACAGGCCTTGACTTAGAGTGACAGCCGGTGTCCTGGAAAGCCCCAAAG	4831
4830	CIGGGAGAITCCAGAICACACAICACACTCIGGGAACTCAGGAACCAIGCCCCTICCCCAGGCCCCCAG 4830	4762
4761	GTGGTGCACATTTGTCCAGATGAAGCAAGGCCTATACCCTAAACTTCATCCTGGGGGTCAGCTGGGGCTC	4693
4692	AAAAAATGAATAAGTCGGACTTATTAACTCTGAGTGCCTTGCCAGCACTAACATTCTAGAGTATTCCAG	4624
4623	CICIGCATIGGACCIGCIAIGAGGCTIIGGAGGAAICCCICACCCICTCIGGGCCICAGIIICCCCIIC 4623	4555

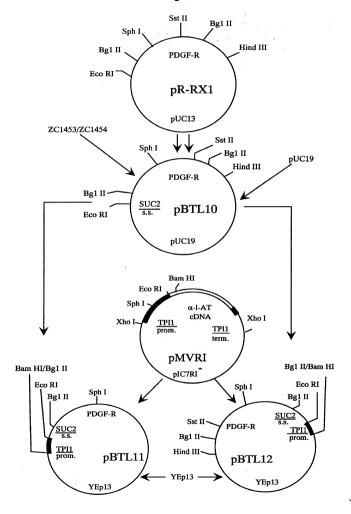


U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 1G, Sheet 7 of 21

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Figure 2



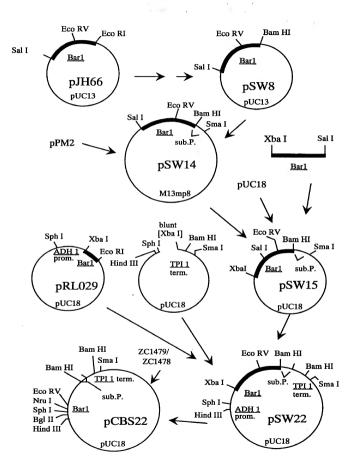


U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 2, Sheet 8 of 21

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Figure 3



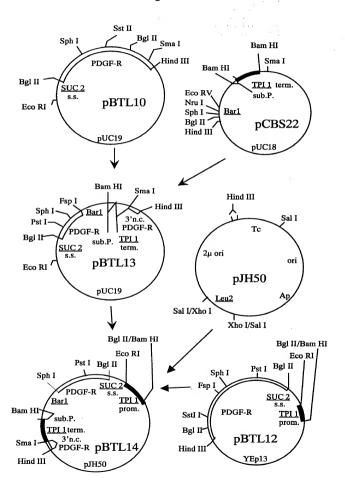


U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 3, Sheet 9 of 21

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Figure 4



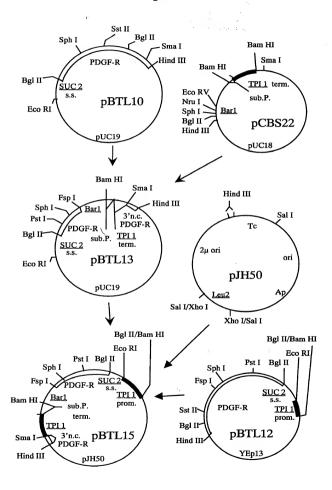


U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 4, Sheet 10 of 21

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Figure 5



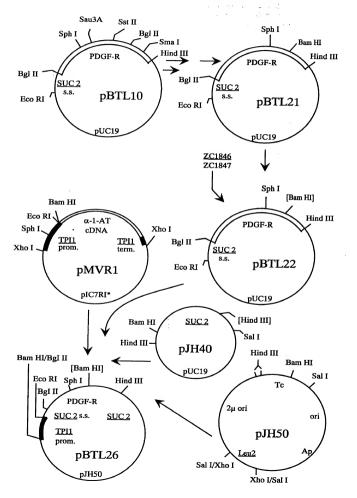


U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 5, Sheet 11 of 21

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Figure 6



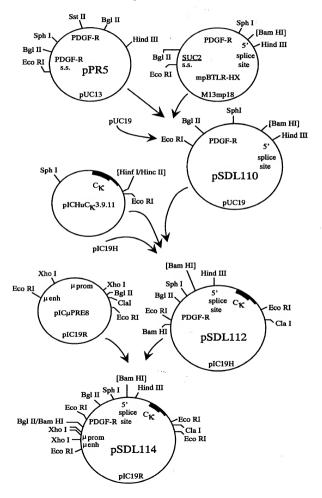


U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 6, Sheet 12 of 21

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Figure 7





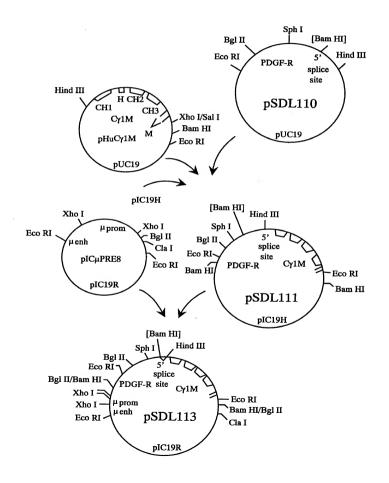
U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 7, Sheet 13 of 21

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Figure 8

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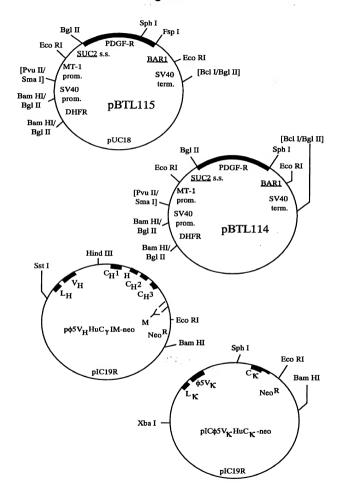




U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 8, Sheet 14 of 21

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Figure 9

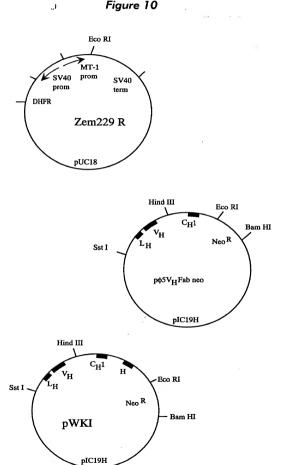




U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 9, Sheet 15 of 21

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Figure 10





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Figure 11A

1 70	and the second s	
139	TGGAAAAGTGACAATTCTAGGAAAAGAGCTAAAAGCCGGATCGGTGACCGAAAGTTTCCCAGAGCTA M 1	
208	GGGACTTCCCATCCGGCGTTCCTGGTCTTAGGCTGTCTTCTCACAGGGCTGAGCCTAATCCTCTGCCGGT T S H P A F L V L G C L L T G L S L I L C Q	
277	CTTTCATTACCCTCTATCCTTCCAAATGAAAATGAAAAGGTTGTGCAGCTGAATTCATCCTTTTCTCLSLPSLPSILPNSSFSL	
346	AGATGCTTTGGGGAGAGTGAAGTGAGCTGGCAGTACCCCATGTCTGAAGAAGAGAGAG	
415	ATCAGAAATGAAGAAAACAACAGCGGCCTTTTTGTGACGGTCTTGGAAGTGAGCAGTGCCTCGGCGGIRN BE ENNSGLFVT VLEVSSA A AA	
484	CACACAGGGTTGTACACTTGCTATTACAACCACACTCAGACAGA	٩C
553	ATTTACATCTATGTGCCAGACCCAGATGTAGCCTTTGTACCTCTAGGAATGACGGATTATTTAGTCATING FOR The property of t	ГС
622	GTGGAGGATGATTCTGCCATTATACCTTGTCGCACAACTGATCCCGAGACTCCTGTAACCTTACAU E D D D S A I I P C R \cdot T T D P E T P V T L H	4C
691	AACAGTGAGGGGGTGGTACCTGCCTCCTACGACAGCAGACAGGGCTTTAATGGGACCTTCACTGTAGGNS E G V V P A S Y D S R Q G F N G T F T V G	3G
760	CCCTATATCTGTGAGGCCACCGTCAAAGGAAAGAAGTTCCAGACCATCCCATTTAATGTTTATGCTTPYICEEATVATGTTTATGCTT	ГΑ
829	AAAGCAACATCAGAGCTGGATCTAGAAATGGAAGCTCTTAAAACCGTGTATAAGTCAGGGGAAACGATKA TSELDLEMEALKTVYKSGETT	П
898	GTGGTCACCTGTGCTGTTTTTAACAATGAGGTGGTTGACCTTCAATGGACTTACCCTGGAGAAGTGAAVV T C A V F N N E V V D L Q W T Y P G E V K	¥A



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Figure 11B

967	G	K	VAG(JCA I	T	I	AC I	GGA E	VAGA E	I	rca/ K	VAGT V	P	CAT(S	I I	rca/ K	AT L	rgg ⁻ V	ΓGΤ <i>/</i> Υ	ACA(T	TTC L	TGA(CGGTC V
1036	CC P	CG/ E	AGG(A	CCAC	CGGT V	GA/ K	VAGA D	CAG S	TGG G	GAGA D	ATTA Y	ACG/ E	VATO C	aTG(A	CTGC A	CCC R	Q Q	AGG(A	CTA(CCA(GGG/ E	AGGT V	ГСААА К
1105	GA E	FAA M	GA/ K	AGA/ K	₹AGT V	CAC T	TAT I	TTC S	TGT V	CCA H	TGA E	AGA/ K	VAG(F	CA7	TG/ E	AA ^T	CA/ K	VAC(P	CCAC T	CTT F	CAC S	GCCAG Q
1174	TT(L	GGA E	AG(A	CTGT V	ΓCΑA N	CCT L	GCA H	TGA E	AGT V	CAA K	ACA H	TTT F	TGT V	TGT V	AGA E	GGT V	GCG R	GG(A	CTA Y	ACCO P	ACC P	TCC P	CAGG R
1243	AT, I	ATC S	CTO W	GCT L	GA4 K	AAA N	CAA N	TCT L	GAC T	TCT L	GAT I	TGA E	AAA N	TCT L	CAC T	TG/ E	GA7 I	CAC T	CAC T	CTGA D	TGT V	GGA E	vaaag K
1312	AT I	TCA Q	GG/ E	I I	AAG R	GTA Y	TCG. R	AAG S	CAA K	ATT L	AAA K	GCT L	GAT I	CCG R	TGC A	TAA K	GGA E	AGA E	AGA D	ACAG S	TGG G	CCA H	TATTA Y
1381	AC ⁻	TAT I	TGT V	AGC A	TCA Q	AAA N	TGA E	AGA [*] D	TGC A	TGT V	GAA K	GAG S	CTA Y	TAC	TTT F	TGA E	ACT L	GTT L	AAC T	TCA Q	AGT V	TCC P	TTCA S
1450	TC(S	CAT I	TCT L	GGA D	CTT L	GGT V	CGA [.]	TGA [*] D	TCA H	CCA H	TGG G	CTC S	AAC T	TGG G	GGG G	ACA Q	GAC T	GGT V	GAG R	GTG C	CAC	AGC A	TGAA E
1519	GGC G	CAC	GCC P	GCT L	TCC P	TGA D	TAT I	TGA(GTG(W	GAT M	GAT. I	ATG C	CAA K	AGA D	TAT I	TAA K	GAA K	ATG C	TAA N	TAA N	TGA E	AAC T	TTCC S
1588	TGG W	AC T	TAT I	L	GGC A	CAA N	CAAT N	rgto V	STC/	AAA N	CAT(CAT(CAC T	GGA E	GAT I	CCA H	CTC S	CCG R	AGA D	CAG R	GAG S	TAC T	CGTG V
1657	GAG E	GG(CCG R	TGT V	GAC [*]	F	CGCC A	CAA/ K	AGT(V	GGA(GGA(GAC(I I	CGC(CGT(V	GCG. R	ATG C	CCT L	GGC A	TAA K	gaa' N	TCT L	CCTT L
1726	GGA G	GC ⁻ A	ΓGA E	gaa N	CCG/ R	AGA(GCT0 L	iaac K	CTC L	GGT(V	GGC ⁻ A	TCC(P	CAC(CCT(L	GCG [*] R	TC S	TGA E	ACT L	CAC	GGT(GGC	TGC [*]	TGCA A
1795	GTC V	CT(L	GGT(V	GCT(L	GTT(L	GT(V	ATT I	GTG V	AT(I	CAT(STCA S	ACT L	ΓΑΤ Ι	rgt(V	CCT(L	GGT V	TGT(V	CAT I	TTG(W	gaa/ K	ACA(Q	GAA/ K	ACCG P
									_														



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Figure 11C

1864	A(GGT/ Y	ATG,	AAA ⁻ I	TTC0 R	GCTG W	GAG R	GGT V	CAT I	ΓΤG, Ε	AAT S	CAA I	TCA S	GCC P	CGC	ATO	GAC F	ATG	AA.	ΓΑΤ <i>Α</i> Υ]	TTT Y	ATG V	TGGAC D
1933	C(P	CGA [*]	TGC/ Q	AGCT L	TGC(P	TTA Y	TGA D	CTC S	AAC R	AT(W	GGG, E	AGT F	TTC P	CAA R	GAG D	ATO	GAC L	TAG	TG(CTTG	GTC R	GGG [*]	TCTTG L
2002	G(GT(S	CTG(G	GAG(A	CGTT F	TGG G	GAA K	GGT V	GGT V	TG/ E	AG(G	GAAG T	CAG A	CCT. Y	ATG G	GAT L	TAA S	GCC R	GGT		AAC P	CTG ⁻	ГСАТG М
2071		VAGT V	TTG(A	CAGT V	ΓGΑΑ Κ	GAT M	GCT L	AAA K	ACC P	CAC T	GG(A	CCA(R	GAT(S	CCA S	GTG E	AAA K	AAC Q	AAG A	CTC	TCA . M	TGT S	CTG/ E	ACTG L
2140	AA K	GAT I	AAT M	ΓGAC Τ	TCA H	CCT L	GGG G	GCC P	ACA H	TTT L	GA/ N	ACAT	TTG ⁻	ΓΑΑ. N	ACT L	TGC	TGG G	GAG A	ССТ	GCA	CCA K	AGTO S	AGGC G
2209	CC P	CAT I	TTA Y	ACAT I	CAT I	CAC T	AGA E	GTA Y	TTG C	CTT F	CTA Y	ATGG G	GAG/ D	ATT L	TGG V	TCA N	ACT. Y	ATT L	TGC	ATA I K	aga/ N	ATAG R	GGAT D
2278	AG S	CTT F	CCT L	GAG S	CCA H	CCA H	CCC.	AGA E	GAA K	GCC P	AAA K	GA/ K	AG/ E	NGC ⁻	ГGG. D	ATA I	TCT F	TTG G	GAT L	TGA N	ACC(CTGC A	TGAT D
2347	GA E	AAG S	CAC T	ACG R	GAG S	CTA Y	TGT V	TAT I	TTT.	ATC S	TTT F	TGA E	VAA/ N	CAA N	ATG(G	GTG. D	ACT/ Y	ACA [*]	TGG D	ACA M	TGA/	AGCA Q	GGCT A
2416	GA D	TAC T	TAC T	ACA Q	GTA Y	TGT(CCC(CAT(GCT.	AGA E	AAG R	GAA K	vaga E	GGT V	TT(CTA K	4ΑТ <i>/</i> Υ	ATTO S	CCG D	ACA ⁻	TCC <i>A</i> Q	AGAG R	ATCA S
2485	CT L	CTA Y	TGA D	TCG R	TCC, P	AGC(CTC/ S	ATA Y	TAA(K	GAA K	GAA K	ATC S	TAT M	GTT L	AGA	ACT(CAG/ E	\AG⊺ V	ГСА К	AAA N	ACCT L	CCT	TTCA S
2554	GA D	TGA D	TAA N	CTC/ S	AGA/ E	AGG(G	CTT L	TACT	ΓΤΤ <i>ι</i> L	ATTO L	GGA D	TTT L	GTT L	GAG S	CTI F	CA(CCTA Y	TC/ Q	VAGʻ	TTG(CCCG R	AGG G	AATG M
2623	GA(GTT F	TT(GGC	TTC/ S	VAA/ K	VAAT N	TG1 C	GT(CCA(CCG R	TGA D	TCT L	GGC A	TGC A	TC0 R	GCAA N	CG1	CC.	TCC1 L	GGC A	ACA Q	AGGA G
2692	AAA K	VAT I	TGT(GAA(GAT(CTGT C	GAC D	TTT F	GGC G	CCT(GGC(CAG, R	AGA D	CAT I	CAT M	GC/	TGA D	TTC S	GA/	ACTA Y	TGT V	GTC(GAAA K
761	GG(CAGT S	1	CTTT F	L	CCC P	GTG V	iaag K	iTG0 W	ATO M	GGCT A	LCC.	TGA(GAG S	CAT I	CTT F	TGA D	CAA N	CC7	CTA Y	CAC T	CACA T	ACTG L



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Figure 11D

2830	AG S		TGT V				TGG G													CCC P			CGGC G
2899	AT M	GAT M	GGT V	GGA D	TTC S				Caa N					TGG G					CAA K				CGCT A
2968	AC T			vagt V										CAG S									TTAC Y
3037		CCT L			GAT I	TGT V								4ΤΑ ⁻ Υ						AAA K		TCA H	CCTG L
3106	GA D		CCT L				CCA ⁻													TGC/ A		CAT I	TGGT G
3175				CAA K			GGA E														GAG. R		GAGC S
3244	GC A		CAG S		CTAI Y		CAT I				TGA(D			CCC ⁻						GGA(D			CAAG K
3313				ACA H																			CTTC F-
3382	AT I		GAG R				GAC(CAT I	ΓGΑν E	AGA(D		CGA(D		GAT(M			I I	CGG(G		AGA(D	CTC [*] S	TTC. S	agac D
3451				AGA D		F			ACT(GGC	GGA7	TTC	GAG	GGG	TC	CTT	CCA	СТТС	CTG	GGG(CCA	ССТ	CTGG
3520 3589 3658 3727 3796	AAG GTG AGG	GTT CAG GGA TAT.	CCC TGT ATA ACT	AGC(TGC(ATA(GCG/	CAA(CTCT GGC(ACA(GGG(TTG(CAC) GAA(CCTO CAAT AGAA CTTO	CGG(FGC(AGGT CAG(GAC TCA GAA	GCGT AGT/ ACTT FGT/	TTCT AGC# TTGT AATT	TAAA ATCT TGCT	ATAT CAC TTCA	TGAA GTGG VAGG VATA	ATGA GTG1 GACA VAC1	ATTO	GGG/ GAAG GGTG VACG	ATAT GTT GAGA	TTT TGG/ AGT(GGC	TGAA AGAT CCAA TGT (AATO FAGA ACAO	GAAI ATGO GACI TAGI	AGAG CTTT GATA ACAA ATTG
3865 3934	ATO	GTA	GCT		GTTO	GAA(т	TTA	VAA(GAAG	TGC	CATO	λA	VAA(CAT	T	TTG/	ACC					CCTG TGGT



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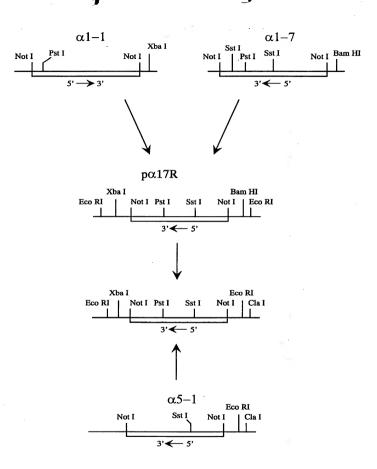


Figure 12





U.S. Patent Appl. No. 08/980,400 BIOLOGICALLY ACTIVE DIMERIZED... Sledziewski et al., Docket No. 13952A-005321 Townsend and Townsend and Crew (206) 467-9600 Fig. 12, Sheet 21 of 21

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